

HARPS Maccon Connections

VME4SA-F1 Connector		HARPS RACK		Comments
Function Connector Pin	Instrument Unit	Terminal Strip	Calib. Unit	
			D25-I	
E8	Cal Lamp 'A' Motor +	Ts4-1	13	rd
E5	Cal Lamp 'A' Motor -	Ts4-2	14	wh
D7	Cal Lamp 'A' Motor Shield	Ts4-3	15	
E3	Tacho Cal Lamp 'A' +	Ts4-4	16	gn
E2	Tacho Cal Lamp 'A' -	Ts4-5	17	wh
E4	Tacho Cal Lamp 'A' Shield	Ts4-6	18	
A4	Encoder Cal Lamp 'A' $U_{a0(zp)}$	Ts4-7	1	gr
A2	Encoder Cal Lamp 'A' $U_{a0^*(zp)}$	Ts4-8	2	or
A8	Encoder Cal Lamp 'A' $U_{a1(sin)}$	Ts4-9	3	wt
A6	Encoder Cal Lamp 'A' $U_{a1^*(sin)}$	Ts4-10	4	vi
B7	Encoder Cal Lamp 'A' $U_{a2(cos)}$	Ts4-11	5	rd
B5	Encoder Cal Lamp 'A' $U_{a2^*(cos)}$	Ts4-12	6	bu
C6	Encoder Cal Lamp 'A' Shield	Ts4-13		
C3	1k resistor to C2			
D3	1k resistor to C2			
B3	1k resistor to C2	Ts4-14	23	Init.
C5	Upper limit switch	Ts4-15	19	
D5	Lower limit switch	Ts4-16	21	

VME4SA-F2 Connector		HARPS RACK		Comments
Function Connector Pin	Instrument Unit	Terminal Strip	Calib. Unit	
			D25-II	
E8	Cal Lamp 'B' Motor +	Ts4-17	13	rd
E5	Cal Lamp 'B' Motor -	Ts4-18	14	wh
D7	Cal Lamp 'B' Motor Shield	Ts4-19	15	
E3	Tacho Cal Lamp 'B' +	Ts4-20	16	gn
E2	Tacho Cal Lamp 'B' -	Ts4-21	17	wh
E4	Tacho Cal Lamp 'B' Shield	Ts4-22	18	
A4	Encoder Cal Lamp 'B' $U_{a0(zp)}$	Ts4-23	1	gr
A2	Encoder Cal Lamp 'B' $U_{a0^*(zp)}$	Ts4-24	2	or
A8	Encoder Cal Lamp 'B' $U_{a1(sin)}$	Ts4-25	3	wt
A6	Encoder Cal Lamp 'B' $U_{a1^*(sin)}$	Ts4-26	4	vi
B7	Encoder Cal Lamp 'B' $U_{a2(cos)}$	Ts4-27	5	rd
B5	Encoder Cal Lamp 'B' $U_{a2^*(cos)}$	Ts4-28	6	bu
C6	Encoder Cal Lamp 'B' Shield	Ts4-29		
C3	1k resistor to C2			
D3	1k resistor to C2			
B3	1k resistor to C2	Ts4-30	23	Init.
C5	Upper limit switch	Ts4-31	19	
D5	Lower limit switch	Ts4-32	21	